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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO.
09/752,160	12/29/2000	Merle L. Miller	2069.008400	8960
23720 WILLIAMS, N	7590 07/26/2007 MORGAN & AMERSON		EXAMINER	
10333 RICHMOND, SUITE 1100 HOUSTON, TX 77042		•	SINGH, RAMNANDAN P	
HOUSTON, I.	X //U42	•	ART UNIT PAPER NUMBER	
			2614	
•		·		
			MAIL DATE	DELIVERY MODE
	•		07/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
		09/752,160	MILLER ET AL.		
	Office Action Summary	Examiner	Art Unit		
		Ramnandan Singh	2614		
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the c	orrespondence address		
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).		
Status	•				
1) 又	Responsive to communication(s) filed on <u>02 N</u>	May 2007.			
·		s action is non-final.			
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.		
Disposit	ion of Claims				
5) 6) 7)	Claim(s) 1-18 and 20-25 is/are pending in the 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-18 and 20-25 are subject to restrict	wn from consideration.			
Applicat	ion Papers				
9)□	The specification is objected to by the Examine	er.			
10)	The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.		
	Applicant may not request that any objection to the				
44\[Replacement drawing sheet(s) including the correct The eath or dealeration is chicated to by the E	* * * * * * * * * * * * * * * * * * * *			
ו ויי	The oath or declaration is objected to by the E	xammer. Note the attached Office	: Action of form PTO-152.		
Priority (under 35 U.S.C. § 119				
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in Applicat prity documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage		
Attachmer	• •		./DTO 412)		
2) Notice 3) Infor	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	4) ☐ Interview Summary Paper No(s)/Mail D 5) ☐ Notice of Informal F 6) ☑ Other: <i>Restriction</i> .	Pate		

PREFACE

1. This application has been transferred to another examiner.

Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- I. Claims 1-4, 24-25, drawn to a method for DC feed control, classified in class 379, subclass 387.02.
- II. Claims 5-15, 20-23, drawn to an apparatus, classified in class 379, subclass 413, subclass 399.01.
- III. Claims 16-18, drawn to an apparatus, classified in class 379, subclass 286.
- 3. The inventions are distinct, each from the other because of the following reasons:

Inventions I, II and III are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01).

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In the instant case, the different inventions are unrelated because of the following:

- a. Invention I is directed towards a method for DC feed control for a line card, comprising: converting the voice component of a signal to digital voice signal using an analog-to-digital convert; and converting the DC component to a digital signal.
- b. Invention II is directed towards an apparatus comprising: a digital signal processor for determining if a line card is operating in a current limit region of a DC feed curve; and determining a loop voltage based on a synthesized curve in the current limit region.
- c. Invention III is directed towards an apparatus, comprising: a first path for receiving a signal and determining a cancellation current proportional to a current flowing from a subscriber line, and a second path for adjusting a DC level control based on the determined cancellation current.
- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classifications and subject matter, the search required for each invention is

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not required for the other. Therefore, restriction for examination purposes as indicated above is proper. See MPEP 806.05 (d).

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- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently filed petition under 37 CFR 1,48(b) and by the fee required under 37 CFR 1.17(i).
- 7. A shortened statutory period for response to this office action is set to expire **0** (zero) months and **30** (thirty) days from the mail date of this letter. Failure to respond within the period for response will result in

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ABANDONMENT of this application (see 35 U.S.C. 133 and MPEP 710.02, 710.02(b)).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramnandan Singh whose telephone number is (571) 272-7529. The examiner can normally be reached on M-TH (8:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ramnandan Singh (Examiner

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